

AMENDMENTS TO THE CLAIMS

The claims in this listing will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A data management method, comprising: providing various kinds of information from an information providing apparatus through a providing arrangement, the various kinds of information being associated with identifying data, the providing arrangement being a unidirectional communication;

selecting information from among the various kinds of information by an information recipient;

transmitting, when the information recipient selects information from among the various kinds of information, identifying data particular to and distinctly identifying each piece of selected information to an information management apparatus through a communications arrangement;

storing in a database, by one of the information management apparatus ~~or by~~ and an external device, the identifying data transmitted to the information management apparatus, in association with said information recipient when said information management apparatus receives the identifying data, the database associating at least one recipient identifier that identifies an information recipient with identifying data; and

accessing, by said information recipient, management information in said information management apparatus from a communications terminal,

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~~whereby information related to the various kinds of information specified by said identifying data stored in association with said information recipient are transmitted from said information management apparatus or said external device to said communications terminal~~ the database enables identification of information related to the selected information and transmission of the related information to the communications terminal.

2. (Currently Amended) A data management method, comprising:

providing various kinds of information from an information providing apparatus through a providing arrangement, the various kinds of information being associated with identifying data and the providing arrangement being a unidirectional communication;

selecting information from among the various kinds of information by an information recipient;

transmitting, when the information recipient selects information from among the various kinds of information, identifying data particular to and distinctly identifying each piece of selected information to an information management apparatus through a communications arrangement;

storing in a database, ~~when said information management apparatus receives the identifying data by one of said information management apparatus or by and an external device, information related to the selected information, when the information management apparatus receives the identifying data, the database associating at least one recipient identifier that identifies an information recipient with information related to~~

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~~the selected information various kinds of information specified by said identifying data,
in association with said information recipient; and~~

accessing, by said information recipient, management information in said
information management apparatus from a communications terminal,

whereby the database enables identification of information related to the selected
information and transmission of the related information ~~information related to the various
kinds of information stored in association with said information recipient are transmitted
from said information management apparatus to the communications terminal.~~

3. (Currently Amended) The data management method according to claim 1,
wherein said various kinds of information includes at least one of video information, or
audio information, ~~or video information and audio information, or and~~ reference data
related to video or audio information thereto.

4. (Currently Amended) The data management method according to claim 1,
wherein said various kinds of information comprise information ~~printed~~ included in
printed materials.

5. (Currently Amended) The data management method according to claim 1,
wherein said various kinds of information comprise at least one of aired information
~~aired, broadcast information, broadcast, or and information~~ disclosed at an event
~~convention hall.~~

6. (Currently Amended) A data management method, comprising:

sending reference data added information, the information comprising various kinds of information including at least one of video information, ~~or~~ and audio information, ~~or video information and audio information~~, to which reference data has been added, the reference data comprising detailed information regarding ~~said~~ the various kinds of information, from an information providing apparatus to an information receiving device through a providing arrangement, the providing arrangement being a unidirectional communication;

selecting, by an information recipient, predetermined information from said reference data added information sent to ~~said~~ the information receiving device;

sending identifying data particular to and distinctly identifying each of ~~said~~ the selected predetermined information to an information management apparatus, from said information receiving device, or from a communications device that has received a signal from said information receiving device through a communications arrangement;

calling, by said information management apparatus, upon receiving ~~said~~ the identifying data, at least one of reference data added information, ~~or~~ reference data, and ~~or~~ data related to reference data specified by ~~said~~ the identifying data, from ~~said~~ one of information providing apparatus ~~or from~~ and an external device;

storing said called data in a database, the database associating at least one recipient identifier with called data ~~in association with said information recipient; and~~

accessing, by said information recipient, management information in ~~said~~ the information management apparatus from a communications terminal,

whereby the database enables identification of at least one of the reference data added information, the reference data and the related data, and transmission of at least one of the reference data added information, the reference data and the related data ~~reference data added information or reference data or related data stored in association with said information recipient are transmitted from said information management apparatus to said~~ the communications terminal.

7. (Currently Amended) A data management method, comprising:

sending reference data added information, the information comprising various kinds of information including at least one of video information, ~~or~~ and audio information, ~~or video information and audio information,~~ to which reference data has been added, the reference data comprising detailed information for said various kinds of information, from an information providing apparatus to an information receiving device through a providing arrangement, the providing arrangement being a unidirectional communication;

selecting, by an information recipient, predetermined information from said reference data added information sent to said information receiving device;

sending identifying data particular to and distinctly identifying each of said selected predetermined information to an information management apparatus, from one of said information receiving device, ~~or from~~ and a communications device that has

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received a signal from said information receiving device through a communications arrangement;

storing in a database, by said information management apparatus, ~~upon receiving said identifying data~~, said identifying data transmitted to the information management apparatus, when the information management apparatus receives the identifying data, the database associating at least one recipient identifier that identifies an information recipient with identifying data in association with said information recipient;

accessing, by said information recipient, management information in said information management apparatus from a communications terminal,

whereby the database enables identifying data corresponding to the accessed information to be transmitted from one of the information management apparatus and an external device to the information providing apparatus, and one of reference data added information and reference data corresponding to the identifying data to be transmitted from the information providing apparatus ~~identifying data particular to the accessed information are transmitted from said information management apparatus to said information providing apparatus or from an external device, and reference data added information or reference data or reference data related to reference data specified by said identifying data are transmitted, either directly or via said information management apparatus, from said information providing apparatus or from said external device, to said communications terminal.~~

8. (Currently Amended) A data management method, comprising:

sending reference data added information, the information comprising various kinds of information including at least one of video information, ~~or~~ and audio information, ~~or video information and audio information~~, to which reference data has been added, the reference data comprising detailed information for said various kinds of information, from an information providing apparatus to an information receiving device through a providing arrangement, the providing arrangement being a unidirectional communication;

sending said at least one of reference data added information, ~~or~~ reference data ~~or~~ and data related to the reference data through a sending arrangement to an information management apparatus;

storing said at least one of reference data added information, ~~or~~ reference data ~~or~~ and related data sent to said information management apparatus by said information management apparatus,

selecting, by an information recipient, predetermined information from said reference data added information sent to said information receiving device;

sending identifying data particular to and distinctly identifying each of the said selected predetermined information to said information management apparatus, from said information receiving device through a communication arrangement;

storing in a database, by one of said information management apparatus and an external device, information related to the selected predetermined information, when the information management apparatus receives the identifying data, the database

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associating at least one recipient identifier that identifies an information recipient with information related to the selected predetermined information ~~upon receiving said identifying data, reference data added information or reference data or related data specified by said identifying data in association with said information recipient; and~~

accessing, by said information recipient, management information in said information management apparatus from a communications terminal,

whereby the database enables identification of at least one of reference data added information, reference data and related data, and transmission of at least one of reference data added information, reference data and related data ~~reference data added information or reference data or related data stored in association with said information recipient are transmitted from said information management apparatus to said communications terminal.~~

9. (Currently Amended) A data management method₁ comprising:

sending reference data added information, the reference data added information comprising various kinds of information including at least one of video information, ~~or and~~ audio information, ~~or video information and audio information~~, to which reference data has been added, the reference data comprising detailed information for said various kinds of information₁ from an information providing apparatus to an information receiving device through a providing arrangement, the providing arrangement being a unidirectional communication;

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sending at least one of said reference data added information, ~~or~~ reference data ~~or~~ and data related to the reference data through a sending arrangement from said information providing apparatus or an external device to an information management apparatus;

storing said at least one of the reference data added information, ~~or~~ the reference data, and the ~~or~~ related data sent to said information management apparatus by said information management apparatus;

selecting, by an information recipient, predetermined information from said reference data added information sent to said information receiving device;

sending identifying data particular to and distinctly identifying each of said selected predetermined information to said information management apparatus, from said information receiving device through a communication arrangement;

storing in a database, by one of said information management apparatus and an external device, the identifying data transmitted to the information management apparatus, when the information management apparatus receives the identifying data, the database associating at least one recipient identifier that identifies an information recipient with identifying data , ~~upon receiving said identifying data, said identifying data in association with said information recipient; and~~

accessing and calling, by said information recipient, management information in said information management apparatus from a communications terminal,

whereby the database enables identification of at least one of the reference data added information, the reference data, and the related data, and transmission of at least

one of the reference data added information, the reference data and the related data
~~reference data added information or reference data or related data specified by said~~
~~identifying data stored in association with said information recipient, are transmitted~~
~~from said information management apparatus to said communications terminal.~~

10. (Currently Amended) The data management method according to claim 6, wherein said identifying data comprises at least one of information indicating a time selected by said information recipient and information indicating channel receiving information selected by said information recipient.

11. (Currently Amended) The data management method according to claim 6, wherein said identifying data ~~are~~ comprises particular codes added to each piece of one of said reference data ~~or to each piece of~~ and said related data, prior to sending ~~[[of]]~~ said reference data added information from said information providing apparatus to said information receiving device.

12. (Currently Amended) The data management method according to claim 6, further comprising:

storing at least one of date indicating information, program indicating information, program genre indicating information, region indicating information, and sponsor indicating information; ~~and,~~

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wherein at least one of the date indicating information, the program indicating information, the program genre indicating information, the region indicating information, ~~or~~ and the sponsor indicating information is ~~information-retrieved~~ retrieved as a retrieval key.

13. (Currently Amended) The data management method according to claim 12, wherein ~~[[,]]~~ retrieval keys comprise at least two of the date indicating information, the program indicating information, the program genre indicating information, the region indicating information, and the sponsor indicating information, which are displayed on ~~said~~ the communications terminal in order based on frequency of usage.

14. (Currently Amended) The data management method according to claim 12, wherein ~~[[,]]~~ the retrieval keys comprise at least one of ~~said~~ the date indicating information, the program indicating information, the program genre indicating information, the region indicating information, and the sponsor indicating information, and wherein key words associated with the retrieval ~~key(s)~~ keys are displayed on said communications terminal in order based on frequency of usage.

15. (Currently Amended) An information providing apparatus for use in the data management method according to claim 6, comprising at least

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an information production device that produces various kinds of information having comprising at least one of video information ~~or~~ and audio information, ~~or video information and audio information;~~ and;

an audio information data editing device that adds the reference data, the reference data comprising detailed information for at least some of ~~said~~ the various kinds of information; and

an information transmission device that transmits ~~said~~ the various kinds of information to which ~~said~~ the reference data have been added through ~~said~~ the providing arrangement.

16. (Currently Amended) The information providing apparatus according to claim 15, further comprising a mark addition device that adds a mark to ~~said~~ the reference data added information to indicate that the reference data has been added.

17. (Currently Amended) The information providing apparatus according to claim 15, further comprising an information sending device that associates and sends ~~said~~ the identifying data with at least one of ~~said~~ the reference data added information, ~~or said the reference data, and~~ ~~or said~~ the related data to ~~said~~ the information management apparatus through a sending arrangement.

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18. (Currently Amended) An information providing apparatus₁ comprising:
an information production device that produces various kinds of information
~~having comprising~~ at least one of video information,~~or~~ and audio information,~~or video~~
~~information and audio information;~~

a data editing device that adds reference data, the reference data comprising
detailed information for ~~either some or all~~ at least some of said various kinds of
information to produce reference data added information;

an information transmission device that adds particular identifying data to said
reference data added information and transmits to an information receiving device
through a providing arrangement, the providing arrangement being a unidirectional
communication₁ ~~and~~ the identifying data being particular to and distinctly identifying
each of said reference data added information and said reference data; and

an information sending device that associates and sends said identifying data
with at least one of said reference data added information₁ ~~or~~ said reference data, and
~~or data related with to~~ said reference data to an information management apparatus
through a sending arrangement.

19. (Currently Amended) An information providing apparatus₁ comprising:
an information production device that produces various kinds of information
~~having comprising~~ at least one of video information,~~or~~ and audio information,~~or video~~
~~information and audio information;~~

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a data editing device that adds reference data, the reference data comprising detailed information for ~~either some or all~~ at least some of said various kinds of information, to produce reference data added information;

an identifying data addition device that adds identifying data particular to and distinctly identifying each of said reference data added information and said reference data;

an information transmission device that transmits said reference data added information through a providing arrangement, the providing arrangement being a unidirectional communication; and

a data delivery unit that sends data related to said various kinds of information through a sending arrangement.

20. (Previously Presented) An information receiving device for use in the data management method according to claim 6, said information receiving device comprising:

an information reception device that receives the reference data added information transmitted from said information providing apparatus;

a display device that displays the received information;

a designation signal reception device that receives signals for designating information when said information recipient has designated predetermined information from among said reference data added information; and

a data sending device that sends identifying data particular to the predetermined information designated by said information recipient to said information management apparatus through said communications arrangement.

21. (Previously Presented) The information receiving device according to claim 20, further comprising a memory that stores said various kinds of information, and a playback device that reads and plays back said various kinds of information stored in the memory, wherein information played back is displayed on said display device.

22. (Currently Amended) An information receiving device₁ comprising:
an information reception device that receives, through a providing arrangement, reference data added information comprising various kinds of information to which reference data has been added, the reference data comprising detailed information, said various kinds of information ~~having~~ comprising at least one of video information ~~or~~ and audio information ~~or video information and audio information~~, the providing arrangement being a unidirectional communication;

a display device that displays received information;

a designation signal reception device that receives signals designating information when said information recipient has designated predetermined information from said reference data added information; and

a data sending device that sends identifying data particular to and distinctly identifying each of the predetermined information designated by said information

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recipient and reference data, to an information management apparatus through a communications arrangement.

23. (Canceled)

24. (Currently Amended) The remote controller according to claim 49, further comprising a communication terminal having a designating signal sending function, wherein ~~and~~ when a designating signal is sent to said information receiving device in response to control inputs from an information recipient, said identifying data are received from said information receiving device and are transmitted to said information management apparatus.

25. (Currently Amended) The remote controller according to claim 49, further comprising a communication terminal having a designating signal sending function, ~~and having time information and information regarding a channel currently being received,~~ and the communication terminal transmitting identifying data specified by said time information and channel information currently received ~~are transmitted~~ to said information management apparatus in response to a control ~~inputs~~ input of an information recipient.

26. (Previously Presented) The remote controller according to claim 49, further comprising:

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a plurality of information designating buttons for separate individuals;
wherein, when any one of said plurality of information designating buttons is manipulated, said remote controller sends a signal for selecting and designating information to an information receiving device; and
said information receiving device transmits identifying data particular to said designated information to an information management apparatus through a communications arrangement, associated with an individual associated with said information designating button.

27. (Currently Amended) An information management apparatus for use in the data management method according to claim 1, comprising:

a read-out device that reads out information stored in one of an internal [[a]]
memory ~~provided externally or internally~~ and an external memory;

an identifying data reception device that receives identifying data particular to information selected and designated by said information recipient;

a data management device that manages at least one of said identifying data, ~~or~~ reference data added information, ~~or~~ reference data, and ~~or~~ related data in association with said information recipient;

a retrieval device that retrieves said identifying data, ~~or~~ said reference data added information, said ~~or~~ reference data, and said ~~or~~ related data managed in association with said information recipient and accessed by said information recipient from a communication terminal; and

a data sending device that sends at least one of said identifying data, said or reference data added information, said or reference data, and said or related data that has been retrieved by said retrieval device and read out by said read-out device.

28. (Currently Amended) An information management apparatus for managing reference data comprising detailed information related to various kinds of information, ~~the various kinds of information comprising~~ having at least one of video information, or audio information, ~~or video information and audio information,~~ or reference data added information resulting from adding reference data to said various kinds of information, or and data related to reference data, said information management apparatus comprising:

a read-out device that reads out information stored in one of an external memory and an internal ~~[[a]]~~ memory ~~provided externally or internally;~~

an identifying data reception device that receives, through a communications arrangement, identifying data particular to and distinctly identifying each piece of information selected from among said various kinds of information by an information recipient;

a data management device that manages at least one of said identifying data, said or reference data added information, said or reference data or and said related data with said information recipient, said data management device comprising a database that associates at least one recipient identifier that identifies an information recipient with at least one of said identifying data, said reference data added information, said reference data, and said related data, the database enabling

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identification of at least one of said reference data added information, said reference data and said related data, and transmitting of at least one of said reference data added information, said reference data, and said related data to a communications terminal;

a retrieval device that retrieves at least one of said identifying data, said or reference data added information, said or reference data, and said or related data managed in association with said information recipient from an information production device through a sending arrangement; and

a data sending device that sends at least one of said identifying data, said or reference data added information, said or reference data, and said or related data that have been retrieved by said retrieval device and read out by said read-out device.

29. (Previously Presented) A communications terminal for use in the data management method according to claim 1, said communications terminal comprising:

a control input unit for an information recipient to make control inputs;

a transmitter that accesses said information management apparatus, based on control inputs from said control input unit, and transmits signals to call out registered information;

a receiver that receives signals and data transmitted from said information management apparatus; and

a display unit that displays received data.

30. (Currently Amended) The communications terminal according to claim 29, said communications terminal further comprising: ~~[[a]]~~ region indicating information that is stored, when at least one of said identifying data, said ~~or~~ reference data added information, said ~~or~~ reference data, and said ~~or~~ related data, associated with an information recipient, are stored by said information management apparatus, wherein said communications terminal is one of a navigation terminal ~~or~~ and a PHS, ~~wherein~~ said region indicating information is compared with current position information resident in one of said navigation terminal ~~or~~ and said PHS, and, when both sets of information are at least similar ~~match or are close~~, at least one of said reference data added information, said ~~or~~ reference data, and said ~~or~~ related data are displayed on one of said navigation terminal ~~or~~ and PHS.

31. (Currently Amended) A data management system, comprising:

an information providing apparatus,

an information receiving device, and

an information management apparatus,

said information providing apparatus comprising:

an information production device that produces various kinds of information ~~having~~ comprising at least one of video information, ~~or~~ and audio information, ~~or video information and audio information~~;

a data editing device that adds reference data to said various kinds of information to provide reference data added information, the reference data

comprising detailed information for at least some of said various kinds of information; and

an information transmission device that transmits said various kinds of information to which said reference data has been added through a providing arrangement, the providing arrangement being a unidirectional communication; said information receiving device comprising:

an information reception device that receives reference data added information transmitted from said information providing apparatus;

a display device that displays received information;

a designating signal reception device that receives signals for designating information when said information recipient has designated predetermined information from among said reference data added information; and

a data sending device that sends identifying data particular to and distinctly identifying each of the predetermined information designated by said information recipient to said information management apparatus through a communications arrangement; and

said information management apparatus comprising:

a read-out device that reads out information stored in a one of an external memory and an internal memory provided ~~externally or internally~~;

an identifying data reception device that receives identifying data particular to and distinctly identifying each of the information selected and designated by said information recipient;

a data management device that manages at least one of said identifying data, said or reference data added information, said or reference data, and said or related data in association with said information recipient, the data management device comprising a database that associates at least one recipient identifier that identifies an information recipient with at least one of said identifying data, said reference data added information, said reference data, and said related data, the database enabling identification of at least one of said reference data added information, said reference data and said related data, and transmitting of at least one of said reference data added information, said reference data, and said related data to a communications terminal;

a retrieval device that retrieves at least one of said identifying data, said or reference data added information, said or reference data, and said or related data managed in association with said information recipient and accessed by said information recipient from a communication terminal; and

a data sending device that sends at least one of said identifying data, said or reference data added information, said or reference data, and said or related data that have been retrieved by said retrieval device and read out by said read-out device.

32. (Currently Amended) An information management system, comprising:
an information providing apparatus that transmits various kinds of information comprising at least one of video information or and audio information;

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an information receiving device that receives various kinds of information from said information providing apparatus through a sending arrangement;

a registration designation device that registers at least some of said various kinds of information received by said information receiving device, provided either one of integrally with ~~or~~ and separately from said information receiving device;

a registered information transmission device that transmits information designated for registration by said registration designation device; and

an information management apparatus that receives the information designated for registration, and stores the information designated for registration in a database that associates information designated for registration with at least one of a code particular to an information receiving device, a code particular to a registered information transmission device, and a code particular to a person making a registration designation, the database enabling identification of the information designated for registration and transmitting the information designated for registration to a communications terminal ~~information transmitted by said registered information transmission device through a communication arrangement, and stores said transmitted information after associating said transmitted information with a code particular to said information receiving device, with a code particular to said registered information transmission device, or with a code particular to a person making the registration designation, and transmitting said stored information, at least in part, to a communications terminal, by calling out information from said communications terminal, on basis of said particular code or code related to the particular code.~~

33. (Currently Amended) An information management system, comprising:

an information providing apparatus that transmits various kinds of information having at least one of video information ~~or~~ and audio information;

an information receiving device that receives said various kinds of information from said information providing apparatus through a sending arrangement;

a registration designation device that designates registration of at least some of said various kinds of information received by said information receiving device, provided ~~either~~ one of integrally with ~~or~~ and separately from said information receiving device;

a registered information transmission device that transmits identifying data particular to and distinctly identifying each piece of information designated for registration by said registration designation device, the identifying data being configured to enable access to the registered information; and

an information management apparatus that receives the identifying data, and stores the identifying data in a database that associates information designated for registration with at least one of a code particular to an information receiving device, a code particular to a registered information transmission device, and a code particular to a person making a registration designation, the database enabling identification of the information corresponding to the identifying data and transmission of the information corresponding to the identifying data to a communications terminal ~~identifying data transmitted by said registered information transmission device through a communications arrangement, and manages the identifying data after associating the~~

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~~identifying data with a code particular to said information receiving device, with a code particular to said registered information transmission device, or with a code particular to a person making the registration designation, and transmits information in said managed information that corresponds with said identifying data, to a communications terminal, by calling out information from said communications terminal, on basis of said particular code or a code related to the particular code and said identifying data.~~

34. (Currently Amended) An information management system, comprising:

- an information providing apparatus that transmits various kinds of information comprising at least one of video information ~~or~~ and audio information;
- an information receiving device that receives various kinds of information from said information providing apparatus through a sending arrangement;
- a registration designation device that designates registration of at least some of said various kinds of information received by said information receiving device, provided either one of integrally with ~~or~~ and separately from said information receiving device;
- a registered information transmission device that transmits identifying data particular to and distinctly identifying each piece of information designated for registration by said registration designation device, the identifying data being configured to enable access to the registered information; and
- an information management apparatus that receives the identifying data, and stores the identifying data in a database that associates information designated for registration with at least one of a code particular to an information receiving device, a

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code particular to a registered information transmission device, and a code particular to a person making a registration designation, the database enabling identification of the information corresponding to the identifying data and transmitting the information corresponding to the identifying data to a communications terminal ~~identifying data transmitted by said registered information transmission device through a communication arrangement, manages information in said various kinds of information corresponding to said identifying data, after associating the managed information with a code particular to said information receiving device, with a code particular to said registered information transmission device, or with a code particular to a person making registration designation, and transmits said managed information, at least in part, to a communications terminal, by calling out information from said communications terminal, on a basis of said particular code or a code related to the particular code.~~

35. (Currently Amended) An information management system, comprising:
a broadcast transmitting apparatus that transmits various kinds of information including at least one of video information ~~or~~ and audio information through a providing arrangement, the providing arrangement being a unidirectional communication;
at least one of a television receiver ~~or~~ and a set top box ~~for receiving that receives~~ said various kinds of information;
a registration designation device, provided either one of integrally with ~~or~~ and separate from said at least one of said television receiver ~~or~~ and said set top box, that

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designates registration of at least some of said various kinds of information received by said at least one of said television receiver ~~or~~ and said set top box;

a registered information transmission device that transmits information designated for registration by said registration designation device; and

an information management apparatus that receives the identifying data, and stores the identifying data in a database that associates information designated for registration with at least one of a code particular to an information receiving device, a code particular to a registered information transmission device, and a code particular to a person making a registration designation, the database enabling identification of the information corresponding to the identifying data and transmitting the information corresponding to the identifying data to a communications terminal ~~information transmitted by said registered information transmission device through a communications arrangement, manages the received information after associating the received information with a code particular to said television receiver or set top box, or with code particular to said registered information transmission device, or with a code particular to a person making the registration designation, and transmits said managed information, at least in part, to said communications terminal, by calling out information from said communications terminal on basis of said particular code or code related to said particular code.~~

36. (Currently Amended) An information management system, comprising:

a broadcast transmitting apparatus that transmits various kinds of information including at least one of video information ~~or~~ and audio information through a providing arrangement, the providing arrangement being a unidirectional communication;

at least one of a television receiver ~~or~~ and a set top box that receives said various kinds of information;

a registration designation device, provided ~~either~~ one of integrally with ~~or~~ and separate from said at least one said television receiver ~~or~~ and said set top box, that designates registration of at least some of said various kinds of information received by said at least one said television receiver ~~or~~ and said set top box;

a registered information transmission device that transmits identifying data particular to and distinctly identifying each piece of information designated for registration by said registration designation device, the identifying data being configured to enable access to the registered information; and

an information management apparatus that receives the identifying data, and stores the identifying data in a database that associates information designated for registration with at least one of a code particular to an information receiving device, a code particular to a registered information transmission device, and a code particular to a person making a registration designation, the database enabling identification of the information corresponding to the identifying data and transmitting the information corresponding to the identifying data to a communications terminal ~~identifying data transmitted by said registered information transmission device through a~~

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~~communications arrangement, manages the identifying data after associating the identifying data with a code particular to said television receiver or set top box, or with a code particular to said registered information transmission device, or with code particular to a person making the registration designation, and transmits information in said managed information that corresponds with said identifying data to said communications terminal, by calling out information from said communications terminal on basis of said particular code or a code related to said particular code and said identifying data.~~

37. (Currently Amended) An information management system, comprising:

- a broadcast transmitting apparatus that transmits various kinds of information including at least one of video information ~~or~~ and audio information through a providing arrangement, the providing arrangement being a unidirectional communication;
- at least one of a television receiver ~~or~~ and a set top box that receives said various kinds of information;
- a registration designation device, provided ~~either~~ one of integrally with ~~or~~ and separate from said at least one said television receiver ~~or~~ and said set top box, that designates registration of at least some of said various kinds of information received by said at least one said television receiver ~~or~~ and said set top box;
- a registered information transmission device that transmits identifying data particular to and distinctly identifying each piece of information designated for

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registration by said registration designation device, the identifying data being configured to enable access to the registered information; and

an information management apparatus that receives the identifying data, and stores the identifying data in a database that associates information designated for registration with at least one of a code particular to an information receiving device, a code particular to a registered information transmission device, and a code particular to a person making a registration designation, the database enabling identification of the information corresponding to the identifying data and transmitting the information corresponding to the identifying data to a communications terminal ~~identifying data transmitted by said registered information transmission device through a communications arrangement, manages information in said various kinds of information that corresponds with the identifying data after associating said corresponding information with a code particular to said television receiver or set top box, or with a code particular to said registered information transmission device, or with code particular to a person making the registration designation, and transmits said managed information, at least in part, to said communications terminal, by calling out information from said communications terminal on basis of said particular code or a code related to said particular code.~~

38. (Currently Amended) The information management system according to claim 32, wherein said information providing apparatus comprises:

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an information production device that produces various kinds of information including at least one of video information ~~or~~ and audio information;

a data editing device that adds reference data comprising detailed information for at least some of said various kinds of information produced; and

an information transmission device that transmits said various kinds of information to which said reference data has been added, by broadcast or other communications.

39. (Currently Amended) The information management system according to claim 35, wherein said broadcast transmitting apparatus comprises:

an information production device that produces various kinds of information ~~having~~ comprising at least one of video information ~~or~~ and audio information;

a data editing device that adds reference data comprising detailed information for at least some of said various kinds of information produced; and

an information transmission device that transmits said various kinds of information to which said reference data has been added, by broadcast or other communications.

40. (Previously Presented) The information management system according to claim 32, wherein said information receiving device comprises:

an information reception device that receives various kinds of information transmitted from said information providing apparatus;

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a display device that displays received information;
a designation signal reception device that receives signals for designating information of said various kinds of information; and
a data sending device that sends said designated information to said information management apparatus through said communications arrangement.

41. (Previously Presented) The information management system according to claim 35, wherein said television receiver comprises:

an information reception device that receives various kinds of information transmitted from said broadcast transmitting apparatus;
a display device that displays the received information;
a designation signal reception device that receives signals for designating information of said various kinds of information; and
a data sending device that sends said designated information to said information management apparatus through said communications arrangement.

42. (Previously Presented) The information management system according to claim 35, wherein said set top box comprises:

an information reception device that receives various kinds of information transmitted from said broadcast transmitting apparatus;
a designation signal reception device that receives signals for designating information of said various kinds of information; and

a data sending device that sends said selected and designated information to said information management apparatus through said communications arrangement.

43. (Currently Amended) The information management system according to claim 32, wherein said information management apparatus comprises:

a read-out device that reads out information stored in [[a]] one of an external memory and an internal memory provided externally or internally;

an information reception device that receives information designated by said information recipient;

a data management device that manages said information after associating the information with at least one of said [[a]] code particular to said information receiving device, or a said code particular to said registered information transmission device, or a and said code particular to [[a]] the person making said registration designation; and

a data transmission device that transmits said stored and managed information, at least in part, to a communications terminal by calling out information from said communications terminal on the basis of said at least one said particular code [[or]] and a code related to said particular code.

44. (Currently Amended) An information management system, comprising:

an information providing apparatus that transmits various kinds of information having comprising at least one of video information ~~or~~ and audio information through a

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providing arrangement, the providing arrangement being a unidirectional communication;

an information receiving device that receives said various kinds of information;

a registration designation device, provided ~~either~~ one of integrally with ~~or~~ and separate from said information receiving device, that registers at least some of said various kinds of information received by said information receiving device;

a registered information transmission device that transmits information designated for registration by said registration designation device; and

an information management apparatus that receives identifying data, and stores the identifying data in a database that associates information designated for registration with at least one of a code particular to an information receiving device, a code particular to a registered information transmission device, and a code particular to a person making a registration designation, the database enabling identification of the information corresponding to the identifying data and transmitting the information corresponding to the identifying data to a communications terminal ~~information transmitted by said registered information transmission device through a communications arrangement, manages said transmitted information after associating the transmitted information with a code particular to said information receiving device, or with a code particular to said registered information transmission device, or with a code particular to a person making the registration designation, and transmits said managed information, at least in part, to communications terminal of said person making~~

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~~registration designation, on basis of said particular code or code related to that code, irrespective of whether or not there is an information transmission request.~~

45. (Currently Amended) An information management system₁ comprising:

- an information providing apparatus that transmits various kinds of information having comprising at least one of video information ~~or~~ and audio information through a providing arrangement, the providing arrangement being a unidirectional communication;
- an information receiving device that receives said various kinds of information;
- a registration designation device, provided ~~either~~ one of integrally with ~~[[or]]~~ and separate from said information receiving device, that designates registration of at least some of said various kinds of information received by said information receiving device;
- a registered information transmission device that transmits identifying data particular to and distinctly identifying each piece of information designated for registration by said registration designation device, the identifying data being configured to enable access to the registered information; and
- an information management apparatus that receives the identifying data, and stores the identifying data in a database that associates information designated for registration with at least one of a code particular to an information receiving device, a code particular to a registered information transmission device, and a code particular to a person making a registration designation, the database enabling identification of the information corresponding to the identifying data and transmitting the information

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~~corresponding to the identifying data to a communications terminal identifying data transmitted by said registered information transmission device through a communications arrangement, manages the identifying data after associating the identifying data with a code particular to said information receiving device, or with code particular to said registered information transmission device, or with code particular to a person making registration designation, and transmits said managed information, at least in part, to communications terminal of said person making the registration designation, on basis of said particular code or a code related to said particular code, irrespective of whether or not there is an information transmission request.~~

46. (Currently Amended) An information management system₁ comprising:
an information providing apparatus that transmits various kinds of information having comprising at least one of video information ~~or~~ and audio information through a providing arrangement, the providing arrangement being a unidirectional communication;

an information receiving device that receives said various kinds of information;
a registration designation device, provided ~~either~~ one of integrally with ~~[[or]]~~ and separate from said information receiving device, that registers at least some of said various kinds of information received by said information receiving device;

a registered information transmission device that transmits identifying data particular to and distinctly identifying each piece of information designated for

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registration by said registration designation device, the identifying data being configured to enable to the registered information; and

an information management apparatus that receives the identifying data, and stores the identifying data in a database that associates information designated for registration with at least one of a code particular to an information receiving device, a code particular to a registered information transmission device, and a code particular to a person making a registration designation, the database enabling identification of the information corresponding to the identifying data and transmitting the information corresponding to the identifying data to a communications terminal ~~identifying data transmitted by said registered information transmission device through a communications arrangement, manages predetermined information in said various kinds of information that corresponds with the received identifying data, after associating the predetermined information with code particular to said information receiving device, or with a code particular to said registered information transmission device, or with a code particular to a person making the registration designation, and transmits said managed information, at least in part, to communications terminal of said person making the registration designation, on basis of said particular code or code related to the particular code, irrespective of whether or not there is an information transmission request.~~

47. (Currently Amended) A data management method₁ comprising:

providing various kinds of information from an information providing apparatus through a providing arrangement, said various kinds of information being associated with identifying data₁ and the providing arrangement being a unidirectional communication;

selecting predetermined information from among said various kinds of information by an information recipient;

transmitting, after said information recipient selects said predetermined information, identifying data particular to and distinctly identifying each piece of selected predetermined information to an information management apparatus through a communications arrangement;

storing in a database, by the information management apparatus, the identifying data transmitted to the information management apparatus, when the information management apparatus receives the identifying data, the database associating at least one recipient identifier that identifies an information recipient with identifying data ,~~in said information management apparatus, said identifying data in association with said information recipient;~~

accessing, by said information recipient, said information management apparatus from a communications terminal, and

transmitting information corresponding to the identifying data, using the database, from the information management apparatus ~~specified by said identifying data, stored in said information management apparatus in association with said~~

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~~information recipient, from said information management apparatus to said~~
communications terminal.

48. (Currently Amended) A data management method₁ comprising:

providing various kinds of information from an information providing apparatus through a providing arrangement, said various kinds of information being associated with identifying data₁ and the providing arrangement being a unidirectional communication;

selecting predetermined information from among said various kinds of information, by an information recipient;

transmitting, after said information recipient selects said predetermined information, identifying data particular to and distinctly identifying each of said predetermined selected information to an information management apparatus through a communications arrangement;

storing the transmitted identifying data in a database, the database associating at least one recipient identifier that identifies an information recipient with information corresponding to the identifying data, ~~in said information management apparatus,~~
~~information specified by said identifying data in association with said information~~
~~recipient;~~

accessing, by said information recipient, said information management apparatus from a communications terminal, and

transmitting information corresponding to the identifying data, using the database,
from the information management apparatus specified by said identifying data, stored in
~~said information management apparatus in association with said information recipient,~~
~~from said information management apparatus to said communications terminal.~~

49. (Currently Amended) In a A data management system, comprising having:
an information providing apparatus that provides various kinds of information
through a providing arrangement, said various kinds of information being associated
with identifying data, ~~and~~ the providing arrangement being a unidirectional
communication;

an information receiving apparatus that receives said various kinds of information
and that selects predetermined information from among said various kinds of
information in response to a selection made by a remote controller;

an information management apparatus that receives identifying data that
identifies the selected predetermined information and stores the identifying data in a
database, the database associating at least one recipient identifier that identifies an
information recipient with identifying data and enables identification of information
corresponding to the identifying data and transmitting the information corresponding to
the identifying data to a communications terminal particular to and distinctly identifying
~~each piece of selected predetermined information through a communications~~
~~arrangement, after said selection made by the remote controller;~~

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a memory, provided in said information management apparatus, that stores said identifying data in association with an information recipient;

said remote controller comprising:

at least a part of an arrangement to send said identifying data to said information management apparatus through said communications arrangement.